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computer grid node resource allocation access

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AS Tanenbaum, M Van Steen - 2002 - Citeseer

... High Performance Networks • Clusters and Computational **Grids** Course Outline ... Process: Key:**Computer**: Clients invoke individual servers ... IP, ATM virtual circuits Data link Responsible for transmission of packets between **nodes** that are directly connected by a physical link. ...[Cited by 1718](#) - [Related articles](#) - [View as HTML](#) - [Library Search](#) - [All 45 versions](#)[psu.edu](#) [PDF][A grid-enabled MPI: Message passing in heterogeneous distributed computing systems](#)

I Foster, NT Karonis - Proceedings of the 1998 ACM/IEEE ... 1998 - portal.acm.org

... environment of Figure 1 might well first reduce within each SMP **node**, then within ... DeKalb, Ill., and a Resident Associate Guest in the Mathematics and **Computer** Science Division ... interests include techniques required to execute message passing programs in **grid** environments. ...[Cited by 294](#) - [Related articles](#) - [All 67 versions](#)[psu.edu](#) [PDF][Nimrod/G: An architecture for a resource management and scheduling system in a global computational grid](#)

R Buyya, D Abramson, J Giddy - hpc, 2000 - computer.org

... School of **Computer** Science and ... The current version also uses these services along with the new features (such as **Grid** Directory Information Services) supported by the ... clusters of computers (such as Beowulf-class Linux clusters) it is common for only the master **node** to be ...[Cited by 504](#) - [Related articles](#) - [All 46 versions](#)[arxiv.org](#) [PDF][Dynamic virtual clusters in a grid site manager](#)

JS Chase, DE Irwin, LE Grit, JD Moore, SE Sprenkle - 2003 - computer.org

... longstanding assumption that software environments and applications are bound to specific **computer** systems that ... The **node** configuration cost—which is on the order of seconds, or minutes for a ... long runs of **resource**-intensive applications, which are typical in a **grid** setting. ...[Cited by 187](#) - [Related articles](#) - [All 42 versions](#)[psu.edu](#) [PDF]**[PDF]** [High performance parametric modeling with Nimrod/G: Killer application for the global grid](#)

D Abramson, J Giddy, L Kotler - International Parallel and Distributed ... 2000 - Citeseer

... the file transfer commands, as well as the execution of the model on the remote **node**. ... Accordingly, it is not possible to consider the **Grid** as a single **computer** system under the **control** ... understanding of its problem domain as well as the nature of the computational **Grid** to provide ...[Cited by 444](#) - [Related articles](#) - [View as HTML](#) - [All 14 versions](#)[psu.edu](#) [PDF][From virtualized resources to virtual computing grids: the In-VIGO system](#)

S Adabala, V Chadha, P Chawla, R Figueiredo, ... - .. Generation Computer ... 2005 - Elsevier

... As a distributed computing system that includes processing **nodes**, storage devices, networks, software applications, and user ... and finally recover the results using a laptop or from a public **computer** of an ... in In-VIGO entails: (1) the installation of a tool in **grid**-enabled resources, (2 ...[Cited by 186](#) - [Related articles](#) - [All 17 versions](#)[psu.edu](#) [PDF][A taxonomy and survey of grid resource management systems for distributed computing](#)

K Krauter, R Buyya, M ... - Software: Practice and ... 2002 - interscience.wiley.com

... INTRODUCTION A distributed network computing (NC) system is a virtual **computer** formed by a networked set of heterogeneous machines that agree to share their local resources with each other. ... Hard QoS support is provided when all **nodes** in the **Grid** can police the SLAs ...[Cited by 573](#) - [Related articles](#) - [BL Direct](#) - [All 32 versions](#)[psu.edu](#) [PDF][A computational economy for grid computing and its implementation in the Nimrod-G resource broker](#)

D Abramson, R Buyya, J Giddy - Future Generation Computer Systems, 2002 - Elsevier

... c Department of **Computer** Science, Welsh e-Science Centre, Cardiff University, Cardiff, UK. ... the **grid** and performing **resource** discovery, scheduling, dispatching jobs to remote **grid nodes**, starting and managing job execution, and gathering results back to the home **node**. ...[Cited by 307](#) - [Related articles](#) - [All 33 versions](#)[arxiv.org](#) [PDF][Virtual workspaces: Achieving quality of service and quality of life in the grid](#)

K Keahey, I Foster, T Freeman, X Zhang - Scientific Programming, 2005 - IOS Press

... a Math & **Computer** Science Division, Argonne National Laboratory, Argonne, IL 60439, USA b University of ... site-provided installation available as a workspace is providing **access** to **Grid** clients. ... in a relatively coarse-grained manner allocating the number of **nodes** or amount ...[Cited by 143](#) - [Related articles](#) - [BL Direct](#) - [All 12 versions](#)[psu.edu](#) [PDF][Condor-G: A computation management agent for multi-institutional grids](#)

J Frey, T Tannenbaum, M Livny, I Foster, S Tuecke - Cluster Computing, 2002 - Springer

... technology that allows a user to create a tailored execution environment on a remote **node**. ... are precisely those provided by the daemon process that is run on any **computer** participating in a ... In effect, the Condor-G GlideIn mechanism uses **Grid** protocols to dynamically create a ...[Cited by 1141](#) - [Related articles](#) - [BL Direct](#) - [All 65 versions](#)[psu.edu](#) [PDF]